**DeLand High School**

**Engineering Academy**

**Advisory Board Meeting Minutes**

**November 18, 2010**

**7:30-8:15 AM**

**Attendees:**

Larry Gordon, DelTran Corporation

Florence Latterner, Academy Teacher (Geometry)

Jennifer Linden, Academy Teacher (Applied Physics)

Raymond Mark, .decimal

Joe Martino, Intern Guidance Counselor

Steve Michaels, Guidance Counselor

Stanley Mitchell, Consultant

Peter Policke, Academy Teacher (Engineering Tech)

Tim Shea, Assistant Principal (Curriculum & Instruction)

Karen Snyder, ESciences

Raymond Mark, Advisory Board Chairman and District Cadre Representative, had begun the meeting with introductions at 7:30am.

Peter Policke had shared news of our Academy:

* .decimal had donated a bar of ½” x 3” x 12’ aluminum stock for use with our CNC machine
* Sparton Electronics had donated a roll of polyurethane fabric and some elastic cording
* Ghyabi and Associates had donated an HP 500 Design Jet large format printer
* Representatives from Pasco County School District and Tallahassee had visited our Academy on Thursday, October 28 and toured our program along with sitting in on some classes, including our integrated core subjects (i.e. geometry, world history, and applied physics). Pasco County is interested to have a program similar to our Academy.
* Dr. Geiger and two seniors (including Kevin Lowry, Jr., son of our Academy’s English III teacher, Susie Lowry) from the Industrial Engineering department at UCF had visited to guest speak on Friday, October 29 sharing information for their engineering department, emphasizing UCF’s IE program, along with the career outlook for this field.
* The faculty of UCF/DSC’s Engineering Technology degree program had visited our Academy on Tuesday, November 9 as a move to build a relationship between our schools.

We also have the following activities in the near future . . .

Monday, December 6 Patent Attorney guest speaker as part of our Invention unit

Thursday, December 9 Navy Nuclear Division guest speaker

Friday, December 10 Students present Invention projects to Advisory Board

Tuesday, January 11 High School Showcase (recruitment night for rising freshmen)

Thursday, January 20 Academy Parent Open House (rising freshmen parent meeting)

Tuesday, January 25 Construction Career Days field trip

Jennifer Linden had reported information with regards to our Academy’s club, Epsilon Alpha Chi. We had recently completed a candy-sale fundraiser, and look forward to participating in our school’s “Club Olympics,” which will take place in January. The club will also offer tutoring for our younger students, and is planning some future service projects for our local community.

Peter Policke continued our discussion for our “Different by Design” Invention Integrated Unit. Students are working in teams (companies), developing an invention of their own, and will present them to our Advisory Board on Friday, December 10. The Board had discussed expectations they would like to see in the student presentations, such as . . .

* + Is the product manufacturable?
  + Clear explanation of what it is, does, and how it was developed.
  + Passion for their product.
  + How innovative is the product?
  + Is it practical? Dependable? Green? Recyclable? How disposed?
  + Who is the target customer, and how will this product be distributed?

A listing of teams and inventions will be emailed to the Board members, along with information concerning December 10, under separate cover.

Raymond Mark had discussed follow-ups from our last meeting . . .

* Karen Snyder is working on some opportunities with water quality for our spring project.
* A solicitation was posted to Linda Morris-Henry (DCT teacher who will oversee our Academy interns) if she needs help with intern placements.
* Raymond Mark is looking into bringing the MOST Unit (an interactive learning module) to DeLand High School for students to participate.
* Larry Gordon had offered ways DelTran can help support the Academy, especially our club, such as help sponsoring a team to SkillsUSA (Randy DuVall from Snap-On Tools had also shown interest at our last meeting to help sponsor this competition event).

It was suggested to hold our next Advisory Board meeting in February.

The meeting ended at 8:13am.